

## **ABSTRACT**

An ultra-wideband receiver is provided. A receiver constructed according to one embodiment enables the simultaneous coexistence of ultra-wideband pulses with conventional carrier-wave signals. This Abstract is provided for the sole purpose of complying with the Abstract requirement rules that allow a reader to quickly ascertain the subject matter of the disclosure contained herein. This Abstract is submitted with the explicit understanding that it will not be used to interpret or to limit the scope or the meaning of the claims.

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